



NITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): SERGEY V.S. PAKHOMOV

RIMELL, Samuel G.

Appln. No.: 10/613,261

Group Art Unit: 2165

Filing Date: July 3, 2003

Title:

METHOD FOR

GENERATING TRAINING DATA FOR MEDICAL **TEXT ABBREVIATION**

AND ACRONYM NORMALIZATION Docket No.

Examiner:

51185-294721

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450 I CERTIFY THAT, ON APPIL 15, 200 DEPOSITED WITH THE U.S. PO AS FIRST CLASS MAIL IN ISSIONER FOR PATENTS, AN ENVELOPE ADDRESS P. O. Box 1450.

INFORMATION DISCLOSURE STATEMENT

The documents listed on the enclosed Form SB/08 are presented pursuant to Applicant's duty of disclosure under 37 C.F.R. § 1.56. Copies of the listed U.S. Patent documents have been omitted in accordance with the waiver of requirements of 37 C.F.R. § 1.98(a)(2)(i) by the United States Patent and Trademark Office. Additional information is set forth in the "Background of the Invention" section of the application.

This Information Disclosure Statement is filed before the mailing date of a final Office Action or Notice of Allowance and is accompanied by the fee of \$180.00 under § 1.17(p). The Commissioner is authorized to charge our Deposit Account No. 06-0029 for the fee necessary for the entry of this Information Disclosure Statement.

Respectfully Submitted,

SERGEY V.S/P

04/19/2005 FMETEKI1 00000007 10613261

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By:

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612/766-8801

Dated: April 15, 2005

M2:20704372.01

April 15, 2005 PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Peckerar et al.

Katz

Bahl et al.

Tanigaki et al.

Mikheev

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

US-4,849,925

US-4,831,550

US-4,817,156

US-2002/0188421

US-2002/0055919

 Complete if Known

 Application Number
 10/613,261

 Filing Date
 July 3, 2003

 First Named Inventor
 SERGEY V.S. PAKHOMOV

 Group Art Unit
 2165

 Examiner Name
 RIMELL, Samuel G.

 Attorney Docket Number
 51185-294721

(use as many sheets as necessary)

U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant		
Initials *	No.	Number - Kind Code² (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear		
		US-6,535,849	03-18-2003	Pakhomov et al.			
		US-6,182,029	1-30-2001	Friedman			
		US-6,055,494	4-25-2000	Friedman			
		US-6,049,767	4-11-2000	Printz			
		US-5,467,425	11-14-1995	Lau et al.			
		US-5,293,584	3-8-1994	Brown et al.			

7-18-1989

5-16-1989

3-28-1989

12-12-2002

5-9-2002

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	No.1	Country Code ³ – Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Date MM-DD-YYYY	Applicant of Cited Document		T⁵

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
		Black, An Experiment in Computational Discrimination of English Word Senses, IBM Journal of Research and Development, 32(2), pp. 185-194 (1988)		
		Schütze, Automatic Word Sense Discrimination, Computational Linguistics, 24(1), pp. 97-123 (1998).		
		Hearst, Noun Homograph Disambiguation Using Local Context In Large Text Corpora, In Proc., 7 th Annual Conference of the University of Waterloo Center for the New OED and Text Research, Oxford, pp. 1-15 (1991)		
		Yarowsky, Unsupervised Word Sense Disambiguation Rivaling Supervised Methods, In Proceedings of the Association for Computational Linguistics, pp. 189-196 (1995).		
		Open NLP Maxent – The Maximum Entropy Framework Internal Webpage printed 6-30-03, 10 pgs.		

Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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